

Message

From: D'Ambro, Emma [dambro.emma@epa.gov]
Sent: 5/14/2020 6:03:18 PM
To: Risen, Amy J [amy.risen@ncdenr.gov]; Strynar, Mark [Strynar.Mark@epa.gov]
CC: Murphy, Benjamin [Murphy.Benjamin@epa.gov]
Subject: RE: [External] Re: DuPont air emissions report
Attachments: Chemours2017AirEmissionsInventory.pdf

Hi Amy & Mark,

Thanks for your replies! Amy, I'm a post-doc working on the regional scale air modeling of the Chemours facility in Fayetteville. I have the air emissions inventory from NCDEQ, attached here, that we're using for the modeling work. I'm writing a manuscript and would like to reference the document and was wondering if it is posted publicly somewhere? I'm almost certain it's not on DEQ's GenX page that you linked, but would be happy to be proven wrong!

I'm not so interested in the link, unless you think the document is located within it, but I didn't find it there. But, in case you're curious, I went here: <https://deq.nc.gov/about/divisions/air-quality> Then clicked on the "public records search" box towards the bottom and then searched for the Chemours facility to get to the original link I sent.

Thanks in advance for your help!
Emma

Emma D'Ambro, Ph.D.

ORISE Post-Doctoral Fellow
Office of Research & Development
U.S. Environmental Protection Agency
Research Triangle Park, NC

Email: dambro.emma@epa.gov
Ph: (919) 541-4803

From: Risen, Amy J <Amy.Risen@ncdenr.gov>
Sent: Thursday, May 14, 2020 1:29 PM
To: Strynar, Mark <Strynar.Mark@epa.gov>; D'Ambro, Emma <dambro.emma@epa.gov>
Cc: Murphy, Benjamin <Murphy.Benjamin@epa.gov>
Subject: RE: [External] Re: DuPont air emissions report

I'm sorry, that link doesn't work for me either. Let me know if you find another one you want me to check.

Also, browse the GenX website for other reporting that may be linked to it. <https://deq.nc.gov/news/key-issues/genx-investigation/air-quality-sampling>

Thanks,
Amy

Amy Risen, PhD
Toxicologist, Division of Waste Management
North Carolina Department of Environmental Quality
919-896-1505 (Mobile) ***please use mobile phone until further notice*

Amy.Risen@ncdenr.gov



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From: Strynar, Mark <Strynar.Mark@epa.gov>
Sent: Thursday, May 14, 2020 1:09 PM
To: D'Ambro, Emma <dambro.emma@epa.gov>; Risen, Amy J <Amy.Risen@ncdenr.gov>
Cc: Murphy, Benjamin <Murphy.Benjamin@epa.gov>
Subject: [External] Re: DuPont air emissions report

CAUTION: External email. Do not click links or open attachments unless you verify. Send all suspicious email as an attachment to report.spam@nc.gov

Amy,

Can you answer this question for Emma below? The link does not seem to work for me.

Mark

Dr. Mark Strynar
US EPA/ORD/CEMM
strynar.mark@epa.gov
(office) 919-541-3706
(mobile) Ex. 6 Personal Privacy (PP)

From: D'Ambro, Emma <dambro.emma@epa.gov>
Sent: Thursday, May 14, 2020 12:51 PM
To: Strynar, Mark <Strynar.Mark@epa.gov>
Cc: Murphy, Benjamin <Murphy.Benjamin@epa.gov>
Subject: RE: DuPont air emissions report

Thanks so much Mark! I attached the report we're using. I thought it might be located here:
[https://xapps.ncdenr.org/aq/FDocsServlet\[gcc01.safelinks.protection.outlook.com\]](https://xapps.ncdenr.org/aq/FDocsServlet[gcc01.safelinks.protection.outlook.com]), but didn't have any luck.

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From: Strynar, Mark <Strynar.Mark@epa.gov>
Sent: Thursday, May 14, 2020 12:45 PM
To: D'Ambro, Emma <dambro.emma@epa.gov>
Cc: Murphy, Benjamin <Murphy.Benjamin@epa.gov>
Subject: Re: DuPont air emissions report

Hi Emma,

I am trying to dig up the report and see where I got it from. I believe it is public but it may take me a while to find out where I got it from. Can you send which reports so I can be sure I am looking for the right one.

Mark

Dr. Mark Strynar
US EPA/ORD/CEMM
strynar.mark@epa.gov
(office) 919-541-3706
(mobile) Ex. 6 Personal Privacy (PP)

From: D'Ambro, Emma <dambro.emma@epa.gov>
Sent: Wednesday, May 13, 2020 4:50 PM
To: Strynar, Mark <Strynar.Mark@epa.gov>
Cc: Murphy, Benjamin <Murphy.Benjamin@epa.gov>
Subject: RE: DuPont air emissions report

Hi Mark,

I'm working on writing up our work and I'm in the dregs of actually finding references for all those "[REF]s" I have in the text. I assume this air emissions report you shared is public, right? Do you know if and where it's posted so that I can reference it in a paper? If not, could you point me to someone who might know, someone inside NCDEQ maybe? Thanks a bunch!!

Hope you and your family are doing well!
Emma

Emma D'Ambro, Ph.D.
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Research Triangle Park, NC

Email: dambro.emma@epa.gov
Ph: (919) 541-4803

From: Strynar, Mark <Strynar.Mark@epa.gov>
Sent: Thursday, July 25, 2019 9:51 AM
To: Lindstrom, Andrew <Lindstrom.Andrew@epa.gov>; D'Ambro, Emma <dambro.emma@epa.gov>; Murphy, Benjamin <Murphy.Benjamin@epa.gov>; Offenber, John <Offenberg.John@epa.gov>; Ryan, Jeff <Ryan.Jeff@epa.gov>
Subject: FW: DuPont air emissions report

A few more from Larry as an FYI if you don't have these already.

Mark

From: Cahoon, Larry <cahoon@uncw.edu>
Sent: Thursday, July 25, 2019 9:37 AM
To: Strynar, Mark <Strynar.Mark@epa.gov>
Subject: RE: DuPont air emissions report

Hi Mark, here you go. It appears they very carefully avoided mention of the PFAS going to water discharge, but that's the logical chemistry, isn't it? It also appears that NC DAQ knew much more about all this going fairly far back, but did not mention aqueous PFAS discharges to NC DWQ, not that DuPont said much, either BTW, the letter I've also attached is pretty interesting in that regard.

Larry

From: Strynar, Mark <Strynar.Mark@epa.gov>
Sent: Thursday, July 25, 2019 9:10 AM
To: Cahoon, Larry <cahoon@uncw.edu>
Subject: RE: DuPont air emissions report

Thanks Larry. I have forwarded this on to my Air colleagues to take a look at.

I would love the other reports if you have them as well.

Thanks,

Mark

From: Cahoon, Larry <cahoon@uncw.edu>
Sent: Tuesday, July 23, 2019 1:06 PM
To: Strynar, Mark <Strynar.Mark@epa.gov>
Subject: DuPont air emissions report

Hi Mark, I got this from a former DAQ inspector in the FRO. You may find it quite interesting, as it connects the PFAS air emissions to the PFAS water discharges via the scrubber systems DuPont used. I have a 2013 and a 2017 report as well if you're interested.
Best wishes.

Larry

From: Strynar, Mark <Strynar.Mark@epa.gov>
Sent: Thursday, May 30, 2019 8:42 AM
To: Cahoon, Larry <cahoon@uncw.edu>
Subject: RE: Article

Hi Larry. Those that done have a CAS mean we have yet to discover a chemical in Scifinder (CAS) that is consistent with the formula or structure as drawn. So yes they may be new.

As far as mono fluoro malonate, I have looked extensively but have not found it yet. There is also the possibility for difluoro malonate I am told but have not seen that yet either.

Mark

From: Cahoon, Larry <cahoon@uncw.edu>
Sent: Wednesday, May 29, 2019 1:09 PM
To: Strynar, Mark <Strynar.Mark@epa.gov>
Subject: RE: Article

Mark, two more questions: some of these compounds don't have CAS #s – I presume they are 'new to science'? Also, have you detected any mono-fluoro malonate or its hydrolysis product? That was a compound a DuPont whistleblower told me about.

Larry

From: Strynar, Mark <Strynar.Mark@epa.gov>
Sent: Wednesday, May 29, 2019 10:18 AM
To: Cahoon, Larry <cahoon@uncw.edu>
Subject: RE: Article

FYI,

Here is a paper on additional PFAS on the Cape fear I published last month with my former post-doc James McCord. I look forward to reading this and any follow up work. Cheers.

Mark

From: Cahoon, Larry <cahoon@uncw.edu>
Sent: Wednesday, May 29, 2019 10:14 AM
To: Strynar, Mark <Strynar.Mark@epa.gov>
Subject: RE: Article

Hi Mark, here you go. BTW, I'm on to another angle in the GenX story – what NC DAQ knew and when they knew it.

Larry

From: Strynar, Mark <Strynar.Mark@epa.gov>
Sent: Wednesday, May 29, 2019 10:12 AM
To: Cahoon, Larry <cahoon@uncw.edu>
Cc: Williams, Antony <Williams.Antony@epa.gov>
Subject: FW: Article

Larry,

Is it possible for you to send me a copy of your recent paper in link below.

Thanks

Mark

From: Williams, Antony
Sent: Wednesday, May 29, 2019 7:36 AM
To: Strynar, Mark <Strynar.Mark@epa.gov>
Subject: Article

Mark,

Do you happen to have a copy of this article

<https://www.sciencedirect.com/science/article/pii/B9780128157305000132#!> [gcc01.safelinks.protection.outlook.com]

That you can share? Thanks

Antony J. Williams
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- 2) [OPERA models for predicting physicochemical properties and environmental fate end points](#) [gcc01.safelinks.protection.outlook.com]
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- 5) [An ecotoxicological view on neurotoxicity assessment](#) [gcc01.safelinks.protection.outlook.com]

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